

Converting Colors

XYZ(16.5826, 18.6262, 21.4211)

Have a look what the booklet for
XYZ(16.5826, 18.6262, 21.4211)
contains.

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Color

**XYZ(16.6020, 18.6601,
21.4656)**

Conversions

Conversions Part 1

Format	Color
Hex	6A7B7B
RGB	106, 123, 123
RGB Percent	42%, 48%, 48%
CMY	0.5843, 0.5176, 0.5176
CMYK	0.14, 0.00, 0.00, 0.52
HSL	180°, 7%, 45%
HSV	180°, 14%, 48%
XYZ	16.6020, 18.6601, 21.4656
YIQ	117.9170, -10.1320, -3.6040

Conversions

Conversions Part 2

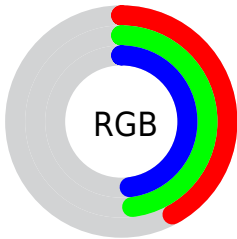
Format	Color
R_{YB}	106, 115, 123
Decimal	6978427
CIE Lab	50.29, -6.22, -2.11
CIE LCh	50, 6.572, 198.754
Yxy	18.6601, 0.2927, 0.3289
Android (android.graphics.Color)	4285168507 (0xFF6A7B7B)
YUV	117.9170, 2.5059, -10.4512
Hunter-Lab	43.1973, -6.9926, 0.7758

Details

The XYZ color **16.6020, 18.6601, 21.4656** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.9246, 15.5603, 15.8007**, and the grayscale version is **17.1890, 18.0842, 19.6937**.

A 20% lighter version of the original color is **36.9725, 40.9232, 46.5077**, and **5.4297, 6.2915, 7.4068** is the 20% darker color. If you saturate the color by 10%, you get **15.2439, 17.9605, 21.4021**, and if you desaturate by 10%, it is **18.1708, 19.4694, 21.5398**.

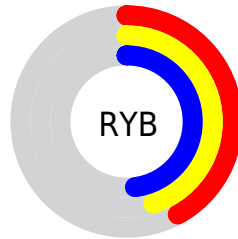
Distribution



Red (42%)

Green (48%)

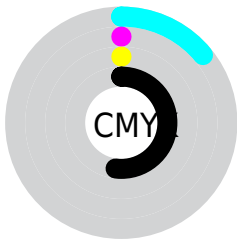
Blue (48%)



Red (42%)

Yellow (45%)

Blue (48%)

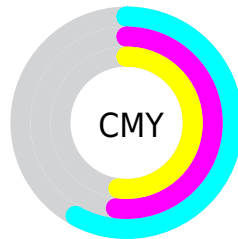


Cyan (14%)

Magenta (0%)

Yellow (0%)

Black (52%)



Cyan (58%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6020, 18.6601, 21.4656 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 16.6020, 18.6601, 21.4656 by changing the saturation by 10% instead.

■ 16.6020, 18.6601,
21.4656

■ 16.6020, 18.6601,
21.4656

226.0695,
244.5658, 272.6045

■ 10.0447, 11.4249,
13.2702

■ 37.1893, 41.1590,
46.7520

■ 5.4911, 6.3534,
7.4820

■ 51.9499, 57.1914,
64.6800

■ 2.5759, 3.0611,
3.6823

■ 70.1757, 76.9251,
86.6893

■ 0.9337, 1.1637,
1.4527

■ 92.2320, 100.7445,
113.1985

■ 0.0000, 0.0318,
0.1823

118.4842,
129.0338, 144.6261

■ 0.0000, 0.0000,
0.0000

149.2976,

162.1775, 181.3906

185.0376,
200.5601, 223.9106

■ 16.6020, 18.6601,
21.4656

■ 16.6020, 18.6601,
21.4656

■ 15.2439, 17.9605,
21.4021

■ 18.1708, 19.4694,
21.5398

■ 14.0862, 17.3637,
21.3475

■ 19.9572, 20.3903,
21.6238

■ 13.1197, 16.8654,
21.3019

■ 21.9695, 21.4276,
21.7183

■ 12.3342, 16.4605,
21.2648

■ 24.2153, 22.5854,
21.8238

■ 11.7184, 16.1431,
21.2356

■ 26.7017, 23.8671,
21.9405

■ 11.2599, 15.9067,
21.2137

■ 29.4355, 25.2765,
22.0688

■ 10.9444, 15.7441,
21.1986

■ 32.4234, 26.8168,
22.2090

■ 10.7530, 15.6454,
21.1893

■ 35.6717, 28.4913,
22.3614

■ 10.6578, 15.5963,
21.1846

■ 39.1865, 30.3032,
22.5263

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.5623, 18.6601, 19.6418



16.6020, 18.6601, 21.4656



16.9411, 18.6601, 23.0688

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.6020, 18.6601, 21.4656



18.6721, 18.6601, 22.7173



17.9756, 18.6601, 17.0701

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.6020, 18.6601, 21.4656



15.9246, 15.5603, 15.8007

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.5551, 18.6601, 17.7945



16.6020, 18.6601, 21.4656



18.9636, 18.6601, 21.0089

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.6020, 18.6601, 21.4656



18.1323, 18.6601, 23.8208



18.9202, 18.6601, 19.2114



17.3453, 18.6601, 17.1761

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.6020, 18.6601, 21.4656



17.2960, 18.6601, 23.7629



18.9202, 18.6601, 19.2114



18.1831, 18.6601, 17.2227

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.6025, 18.6609, 21.4660



32.4550, 34.8205, 38.5668



15.6627, 18.2888, 16.3408



7.5977, 8.1770, 9.0809



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.6025, 18.6609, 21.4660



28.8123, 32.9426, 38.3954



15.6257, 16.7070, 21.1409



4.1071, 4.5124, 5.0976



11.0250, 16.1337, 21.9144



52.5903, 76.9591, 104.5330

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.9246, 15.5603, 15.8007



27.3189, 26.1119, 25.9146



16.8124, 17.3358, 16.0962



3.9983, 4.0151, 4.1888



8.4502, 4.3562, 0.3958



40.3082, 20.7796, 1.8871

Previews

White Background



This preview shows how the XYZ color 16.6020, 18.6601, 21.4656 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.6020, 18.6601, 21.4656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

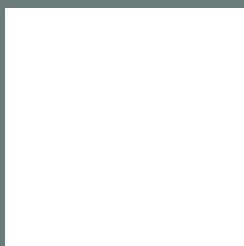
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6020, 18.6601, 21.4656

Background



This preview shows how black text looks on a background with the XYZ color 16.6020, 18.6601, 21.4656.



This preview shows how white text looks on a background with the XYZ color 16.6020, 18.6601,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.6020, 18.6601, 21.4656

Protanopia

17.9332, 18.6391, 20.7417

Deuteranopia

18.9367, 18.6131, 21.6634



Tritanopia

17.2406, 18.7459, 24.1824

Trichromacy



Original Color

16.6020, 18.6601, 21.4656

Protanomaly

17.4318, 18.5511, 21.0743

Deuteranomaly

18.1201, 18.7138, 21.7259

Tritanomaly

16.9192, 18.6034, 23.1211

Monochromacy



Original Color

16.6020, 18.6601, 21.4656

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.0461, 18.3664, 20.4159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6020, 18.6601, 21.4656 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(106, 123, 123)` looks like.

```
.text, #text, p{  
    color:rgb(106, 123, 123)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(106, 123, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 123, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.6020, 18.6601, 21.4656 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 123, 123) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(106, 123, 123) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(106, 123, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 123, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 123, 123);  
box-shadow:4px 4px 4px 4px rgb(106, 123,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6020, 18.6601, 21.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 123, 123) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(106,  
123, 123) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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